

## ALPHA Parts List

### Part number explanation

XX-XX-XX-XX		
1st and 2nd digits	Category	BR-Blue Robotics, MC-McMaster Carr
3rd and 4th digits	Assembly	External vendor uses vendor part number and description
5th and 6th digits	Assembly number	
7th and 8th digits	Number	00 means an assembly

Category	Part number	Description
Actuators (AC)	AC-AS-01-00	Tunnel thruster assembly
Actuators (AC)	AC-AS-01-01	Short tunnel
Actuators (AC)	AC-AS-01-02	Long tunnel
Actuators (AC)	BR-T200	Blue Robotics T200
Actuators (AC)	MC-5537T663	T-slot corner bracket 2 holes
Actuators (AC)	AC-AS-02-00	Surge thruster assembly
Actuators (AC)	AC-AS-02-01	T500 Top mount
Actuators (AC)	AC-AS-02-02	T500 Back mount
Actuators (AC)	AC-AS-02-03	T500 Mounting plate
Actuators (AC)	AC-AS-02-04	T500 hanging plate
Actuators (AC)	AC-AS-02-05	T500 hanging cross
Actuators (AC)	BR-T500-R1	Blue Robotics T500
Electronics (EL)	EL-AS-01-00	Electronics housing assembly (4in aluminum Blue Robotics Housing)
Electronics (EL)	EL-AS-01-01	Internal chassis end plate
Electronics (EL)	EL-AS-01-02	Internal electronics mounting plate
Electronics (EL)	BR-STANDOFF	Blue Robotics M3 standoff 212 mm long
Fairing (FA)	FA-AS-01-00	Nose cone fairing assembly
Fairing (FA)	FA-AS-01-01	Nose fairing
Fairing (FA)	FA-AS-01-02	Nose fairing for Ping360
Fairing (FA)	FA-AS-01-03	Nose tip fairing
Fairing (FA)	FA-AS-02-00	Tail cone fairing assembly
Fairing (FA)	FA-AS-02-01	Tail cone fairing regular
Fairing (FA)	FA-AS-02-02	Tail cone fairing top port
Fairing (FA)	FA-AS-02-03	Tail cone fairing top starboard
Fairing (FA)	FA-AS-03-00	Mid section fairing assembly
Fairing (FA)	FA-AS-03-01	Screw-in fairing regular
Fairing (FA)	FA-AS-03-02	Slide-in fairing regular
Fairing (FA)	FA-AS-03-03	Screw-in fairing for thruster/DVL
Fairing (FA)	FA-AS-03-04	Slide-in fairing for thruster/DVL
Fairing (FA)	FA-AS-03-05	Screw-in fairing for lifting plate
Fairing (FA)	FA-AS-03-06	Screw-in fairing for mast
Fairing (FA)	FA-00-01	Screw-in fairing adapter
Frame (FR)	FR-AS-01-00	ALPHA main frame
Frame (FR)	FR-AS-01-01	Big middle frame 1/2in HDPE
Frame (FR)	FR-AS-01-02	Small middle frame for holding housings 1/2in HDPE
Frame (FR)	FR-AS-01-03	Special screw-in fairing adapter
Frame (FR)	MC-5537T935	20mm 8020 Corner bracket
Frame (FR)	MC-5537T518	20mm 8020 Corner bracket
Frame (FR)	MC-5537T514-4FT	4ft long 20mm 8020
Stand (ST)	ST-AS-01-00	AUV Stand Assembly
Stand (ST)	ST-AS-02-00	Stand Arc assembly
Stand (ST)	ST-AS-01-01	Arc plate
Stand (ST)	ST-AS-01-02	3D Printed Arc core side
Stand (ST)	ST-AS-01-03	3D Printed Arc core middle
Stand (ST)	MC-47065T107	1in by 2in 8020 3ft or 4ft long
Stand (ST)	MC-47065T101	1in by 1in 8020 6in long
Stand (ST)	MC-47065T663	1in 8020 corner bracket
Others (OT)	OT-AS-01-01	DVL plate 1/4in thick Delrin
Others (OT)	OT-AS-02-01	Lifting plate 1/4 in Aluminum
Others (OT)	MC-33815T51	Lifting ring 400 lbs rated
Others (OT)	MC-31665T52	Lifting ring 5000 lbs rated
Others (OT)	OT-AS-03-00	Ping360 mounting assembly
Others (OT)	OT-AS-03-01	Ping360 Plate 3/16in Delrin
Others (OT)	OT-AS-03-02	Ping360 Spacer, 3D printed
Others (OT)	BR-Ping360	Blue Robotics Ping360